

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101363.D
 Acq On : 13 Dec 2017 7:18
 Operator : SJ/JU
 Sample : I6764-09 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MAP-3-E(0-1)

Manual Integrations
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 12/13/2017 2:07:56 PM

Quant Time: Dec 13 09:35:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	44730	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	156816	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	61357	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	110665	20.00	ng	0.00
75) Chrysene-d12	14.01	240	85279	20.00	ng	0.00
86) Perylene-d12	15.49	264	63938	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	43440	16.05	ng	0.00
7) Phenol-d6	6.46	99	51692	15.73	ng	0.00
23) Nitrobenzene-d5	7.39	82	25310	9.63	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	9118	12.37	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	63294	14.11	ng	0.00
78) Terphenyl-d14	12.94	244	53661	13.76	ng	0.00
Target Compounds						
48) Acenaphthylene	9.73	152	18600	2.835	ng	98
70) Phenanthrene	11.38	178	49157	8.066	ng	98
71) Anthracene	11.43	178	15258	2.474	ng	98
74) Fluoranthene	12.57	202	99177	14.681	ng	97
77) Pyrene	12.80	202	96300	16.365	ng	97
80) Benzo(a)anthracene	14.00	228	47992	8.913	ng	98
82) Chrysene	14.03	228	41369	8.273	ng	98
85) Indeno(1,2,3-cd)pyrene	16.99	276	20080	4.517	ng	# 89
87) Benzo(b)fluoranthene	15.06	252	47017m	12.277	ng	
88) Benzo(k)fluoranthene	15.08	252	14254m	3.778	ng	
89) Benzo(a)pyrene	15.43	252	31054	8.919	ng	96
90) Dibenzo(a,h)anthracene	16.97	278	6583	2.145	ng	# 77
91) Benzo(a,h,i)perylene	17.44	276	24195	8.364	ng	# 90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

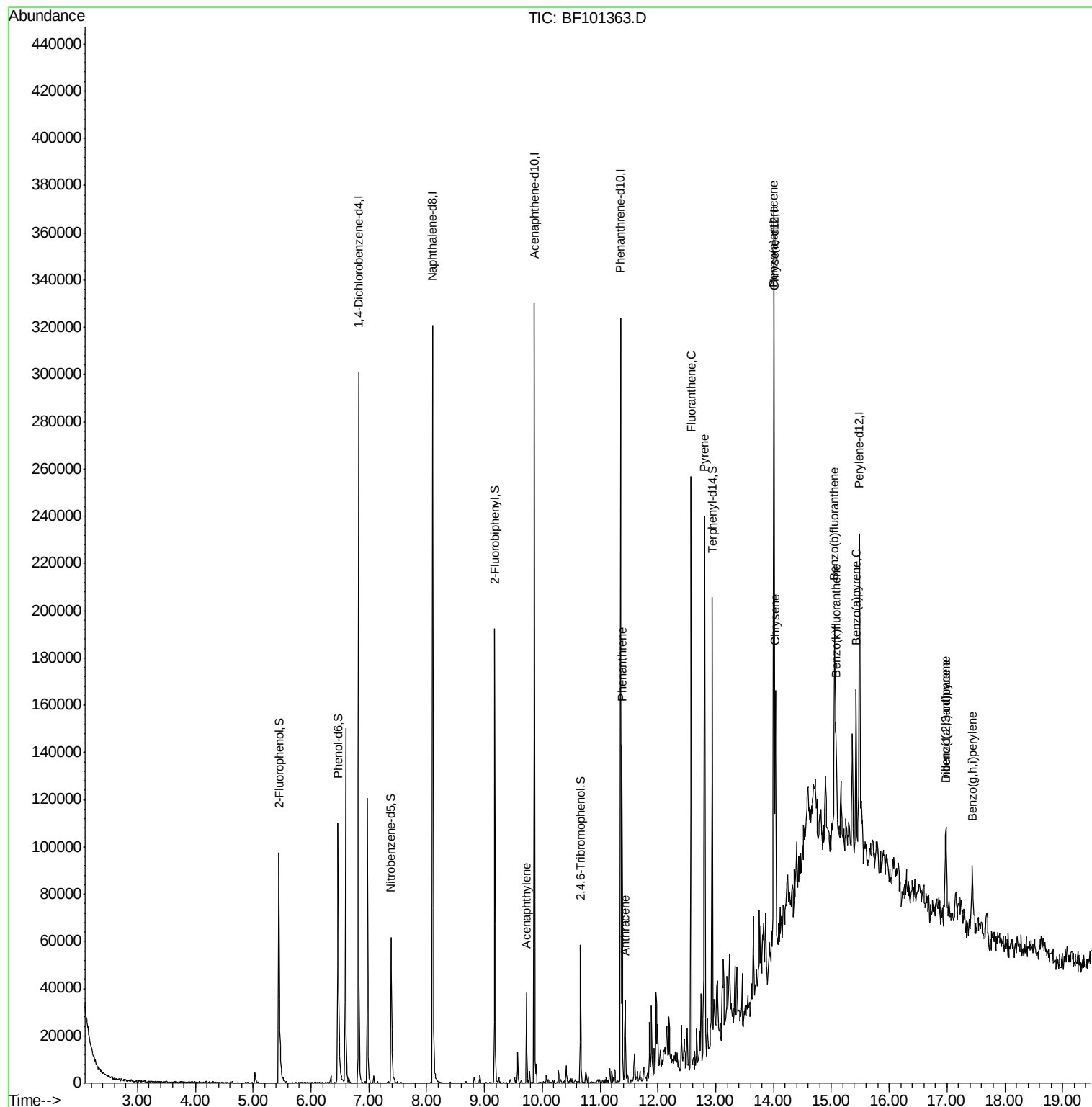
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101363.D
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ALS Vial : 36 Sample Multiplier: 1

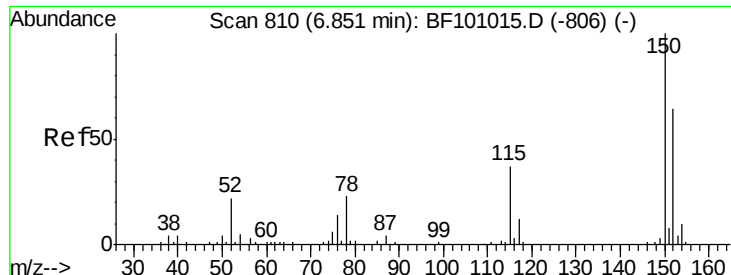
Instrument :
BNA_F
ClientSampleId :
MAP-3-E(0-1)

Manual Integrations
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#1

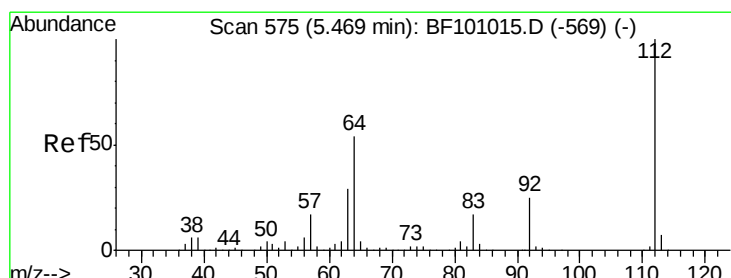
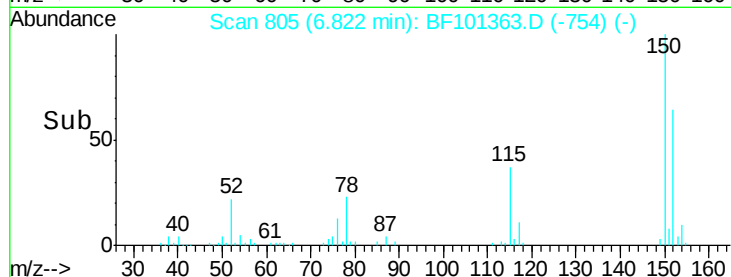
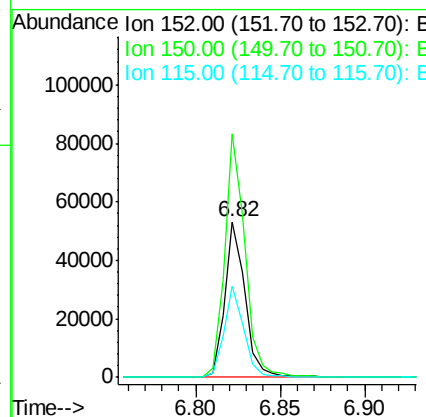
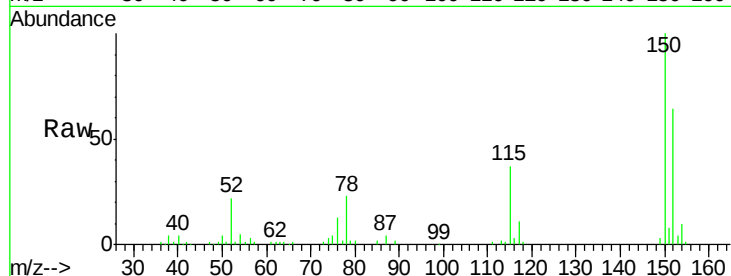
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	58.6	50.1	75.1

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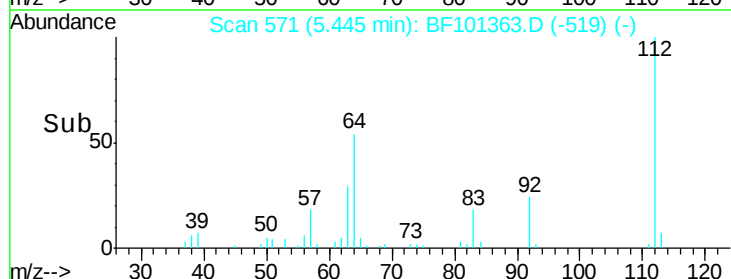
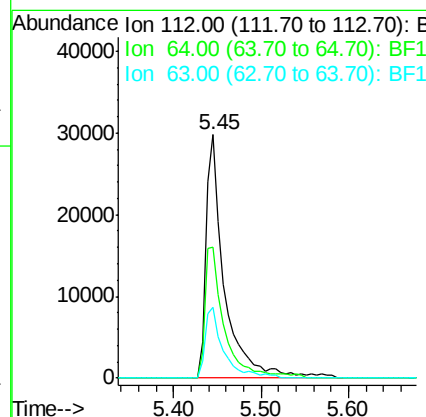
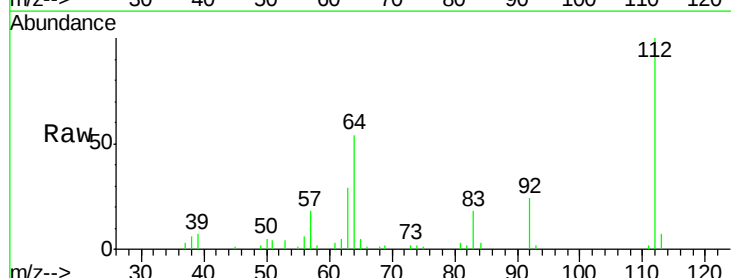
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#5

2-Fluorophenol
Concen: 16.048 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	47.9	71.9
63	29.2	23.7	35.5





#7

Phenol-d6

Concen: 15.729 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF101363.D

Acq: 13 Dec 2017 7:18

Instrument :

BNA_F

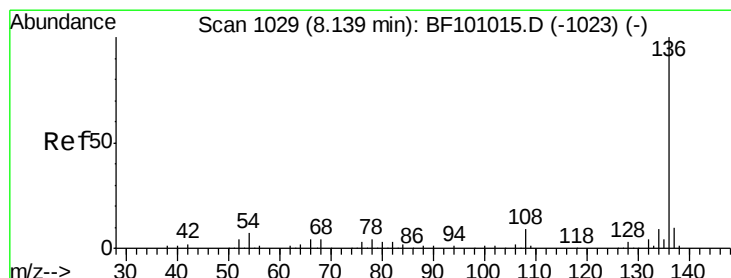
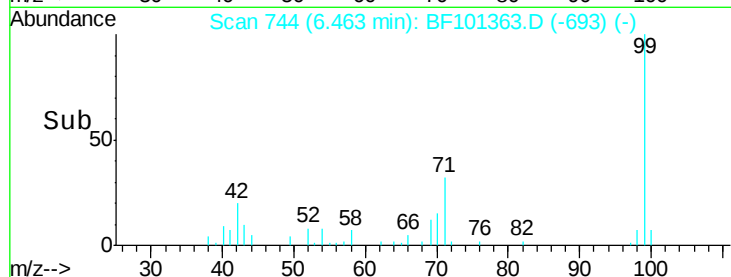
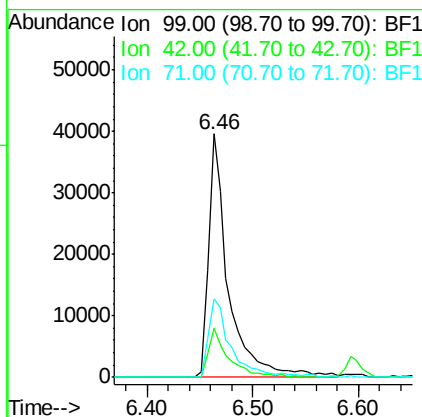
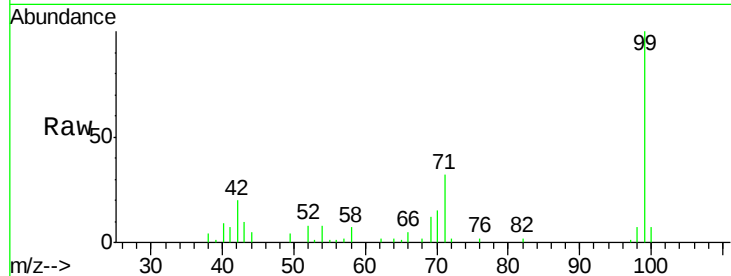
ClientSampled :

MAP-3-E(0-1)

Tot Ion:	99	Resp:	51692
Ion Ratio	Lower	Upper	
99	100		
42	20.2	14.5	21.7
71	32.0	25.4	38.0

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.000 ng

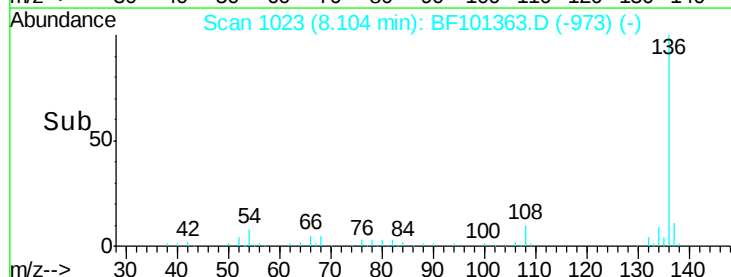
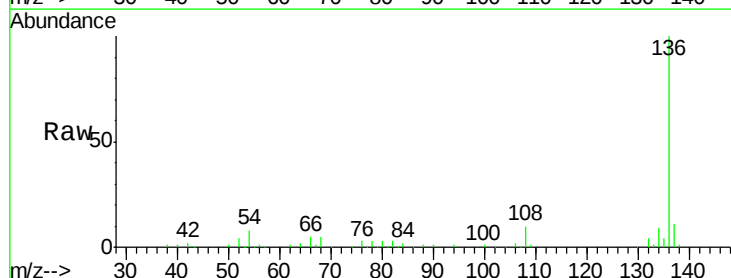
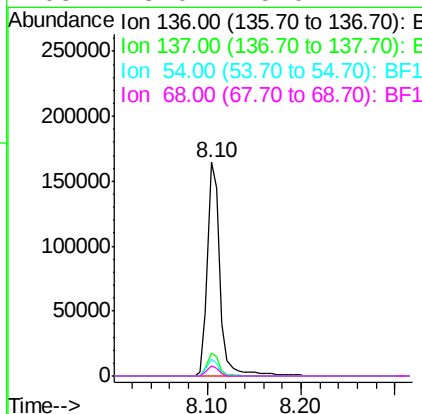
RT: 8.10 min Scan# 1023

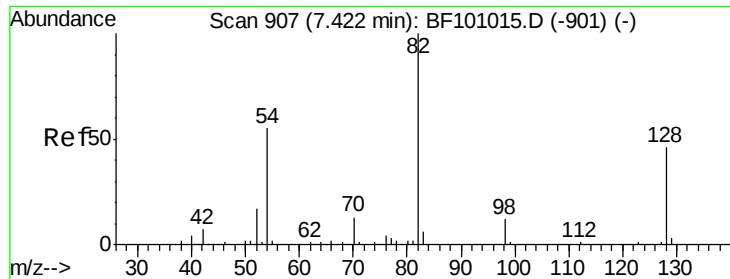
Delta R.T. -0.01 min

Lab File: BF101363.D

Acq: 13 Dec 2017 7:18

Tgt Ion:	136	Resp:	156816
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	8.1	6.6	9.8
68	5.0	5.0	7.4





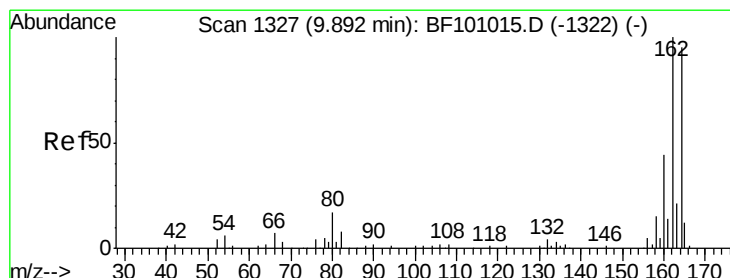
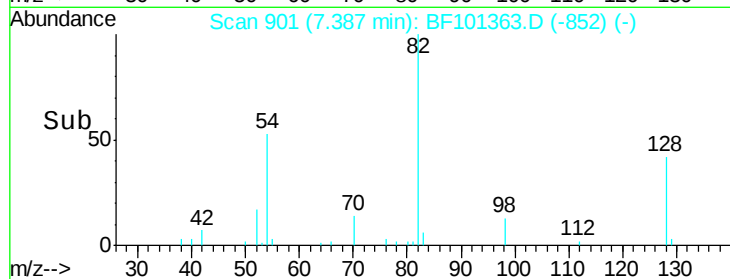
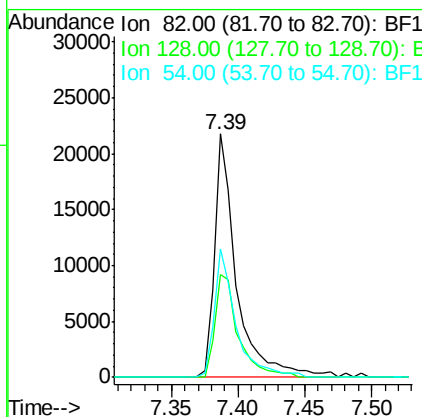
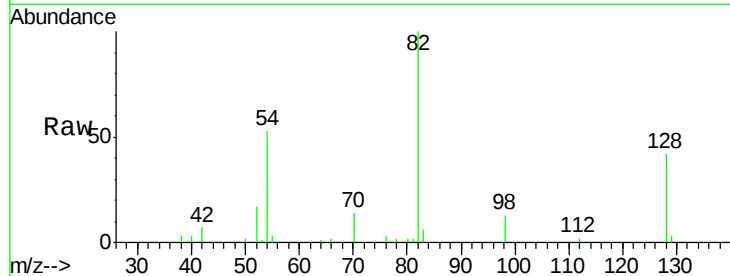
#23
 Nitrobenzene-d5
 Concen: 9.628 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: BF101363.D
 Acq: 13 Dec 2017 7:18

Instrument :
 BNA_F
 ClientSampled :
 MAP-3-E(0-1)

Tot Ion:	82	Resp:	25310
Ion Ratio	Lower	Upper	
82	100		
128	42.5	36.1	54.1
54	52.6	41.4	62.2

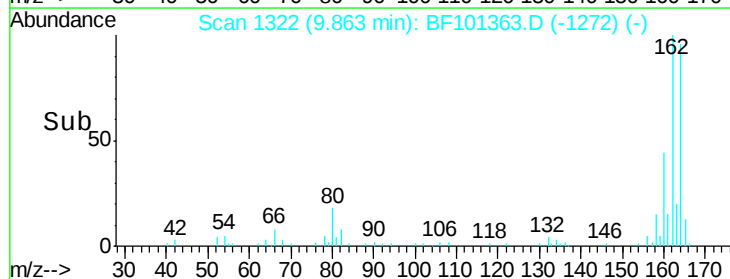
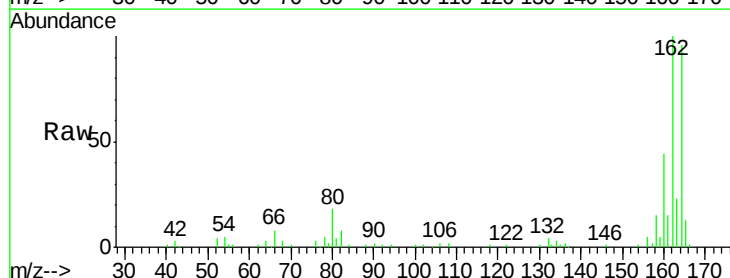
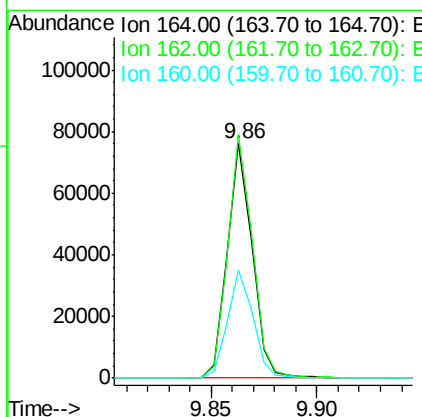
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF101363.D
 Acq: 13 Dec 2017 7:18

Tgt Ion:	164	Resp:	61357
Ion Ratio	Lower	Upper	
164	100		
162	104.0	86.1	129.1
160	46.1	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 12.371 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.00 min

Lab File: BF101363.D

Acq: 13 Dec 2017 7:18

Instrument :

BNA_F

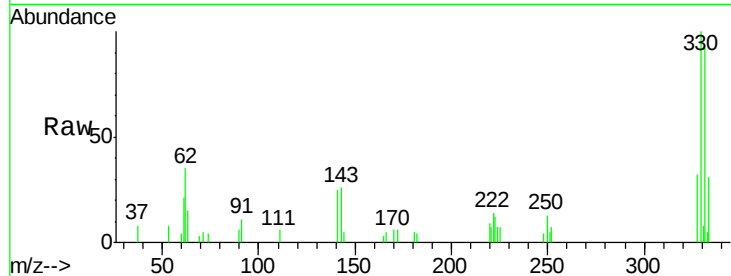
ClientSampleId :

MAP-3-E(0-1)

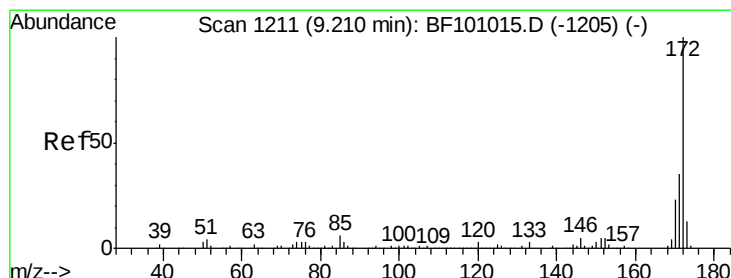
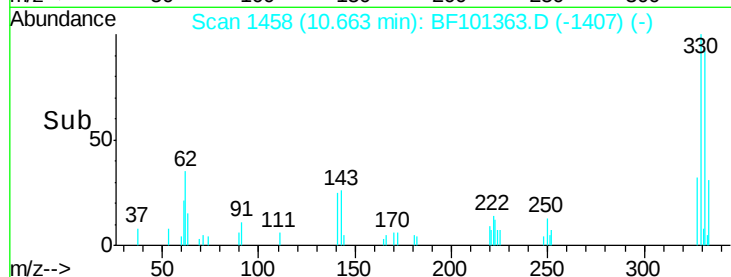
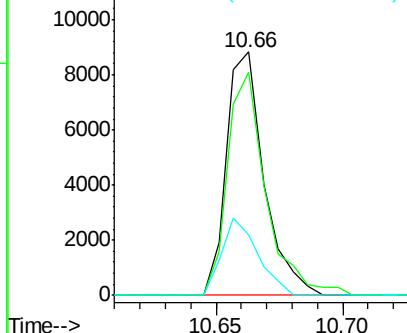
Tot Ion:	330	Resp:	9118
Ion Ratio	Lower	Upper	
330	100		
332	93.6	77.0	115.6
141	30.3	29.9	44.9

Manual Integrations
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 14.114 ng

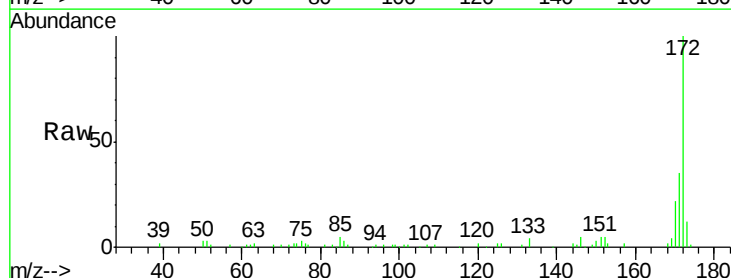
RT: 9.18 min Scan# 1206

Delta R.T. -0.01 min

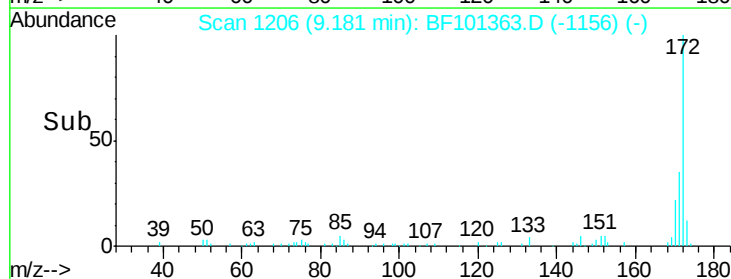
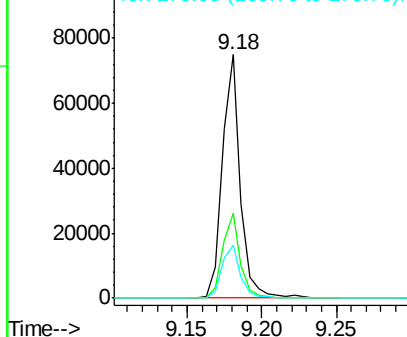
Lab File: BF101363.D

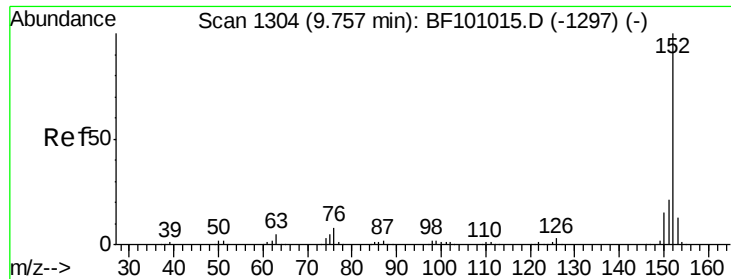
Acq: 13 Dec 2017 7:18

Tgt Ion:	172	Resp:	63294
Ion Ratio	Lower	Upper	
172	100		
171	34.9	29.7	44.5
170	21.5	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 2.835 ng

RT: 9.73 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BF101363.D

Acq: 13 Dec 2017 7:18

Instrument :

BNA_F

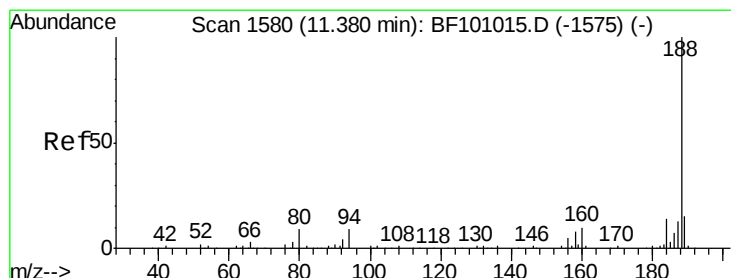
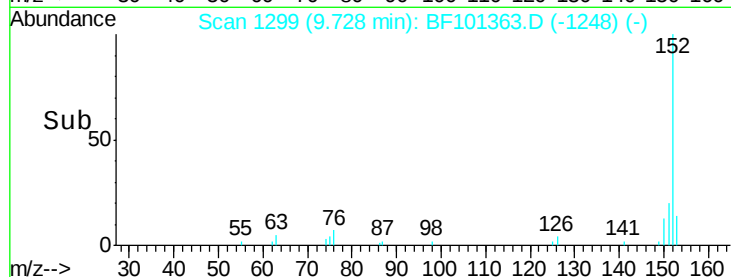
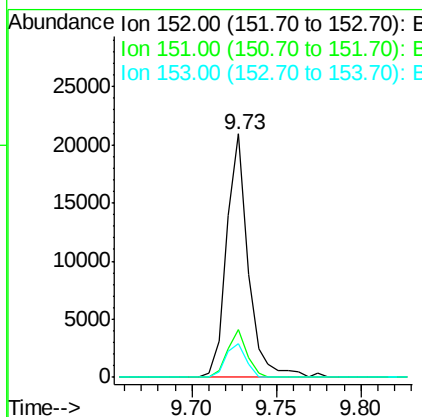
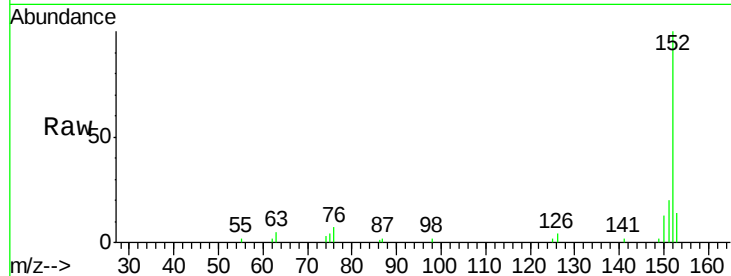
ClientSampleId :

MAP-3-E(0-1)

Tot Ion:	152	Resp:	18600
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.3	24.5
153	14.0	10.7	16.1

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

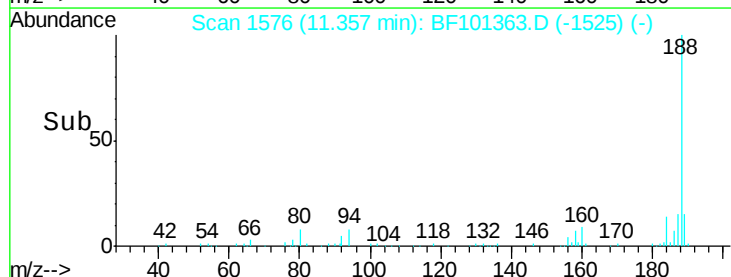
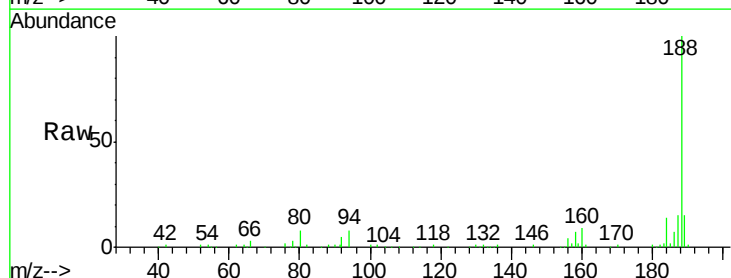
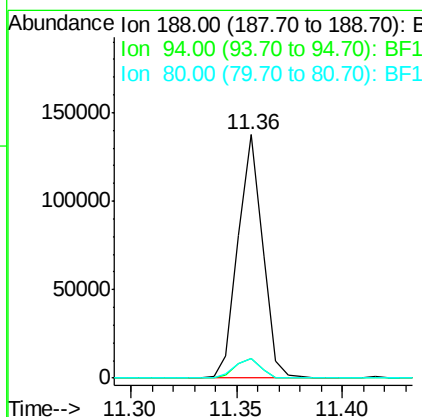
RT: 11.36 min Scan# 1576

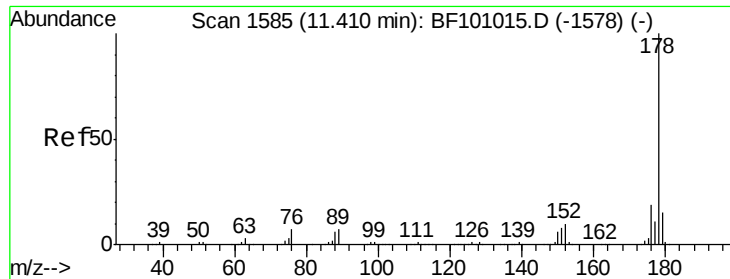
Delta R.T. 0.00 min

Lab File: BF101363.D

Acq: 13 Dec 2017 7:18

Tgt Ion:	188	Resp:	110665
Ion Ratio	Lower	Upper	
188	100		
94	8.2	8.5	12.7#
80	8.0	9.2	13.8#





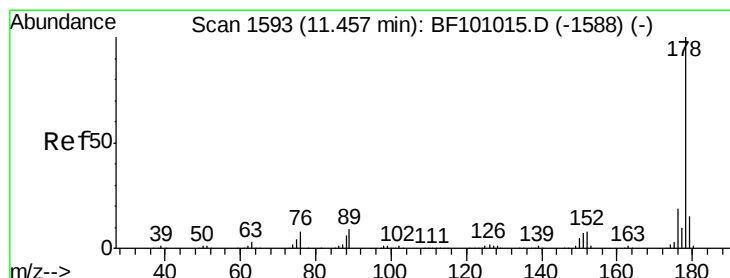
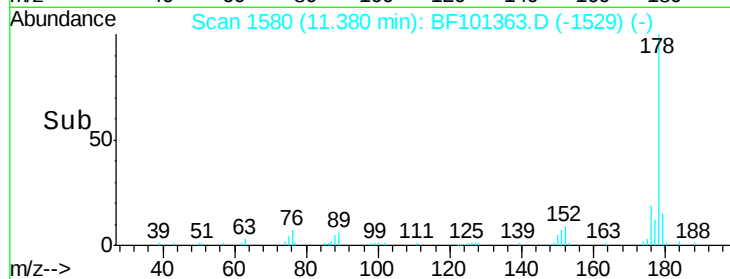
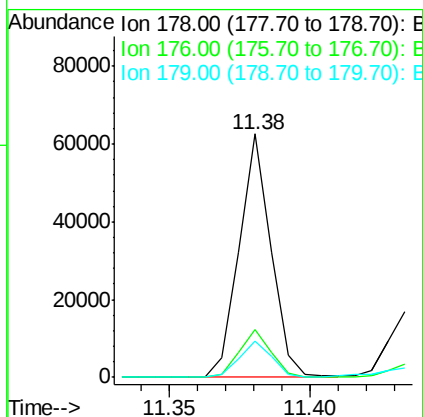
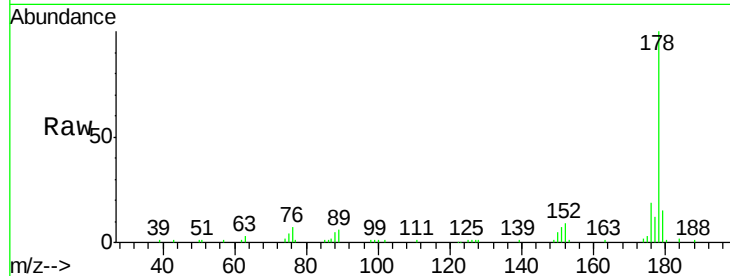
#70
Phenanthrene
Concen: 8.066 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(0-1)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.0	13.0	19.6

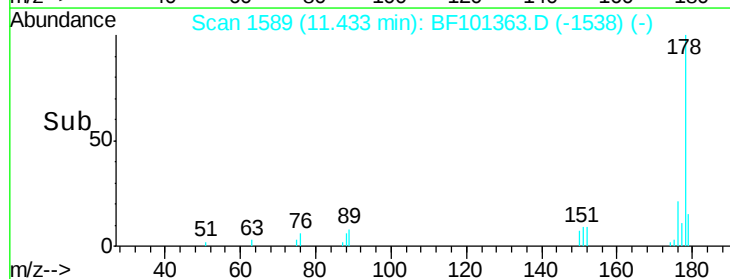
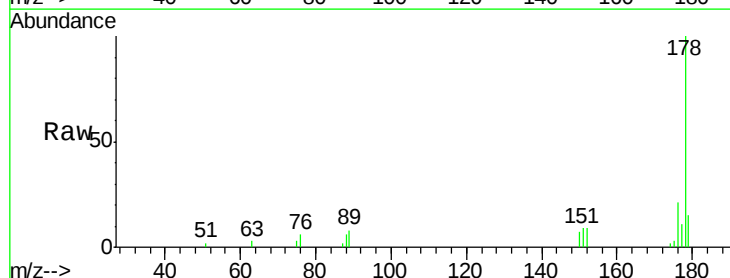
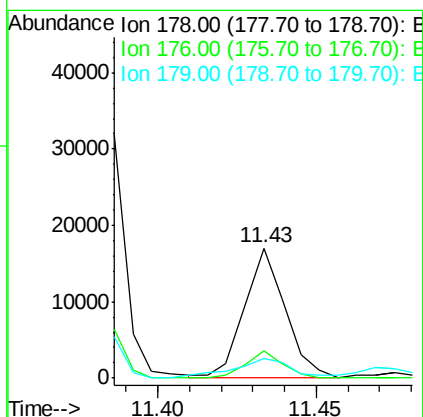
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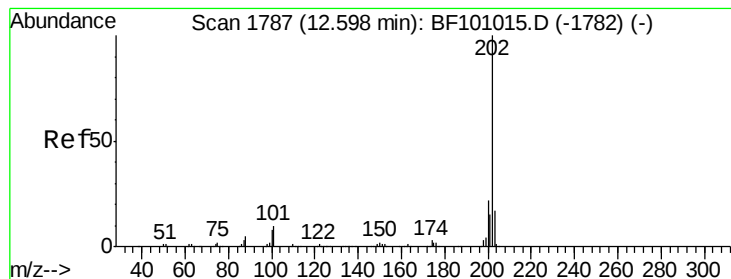
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#71
Anthracene
Concen: 2.474 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.4	23.2
179	15.0	12.6	19.0





#74

Fluoranthene

Concen: 14.681 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.01 min

Lab File: BF101363.D

Acq: 13 Dec 2017 7:18

Instrument :

BNA_F

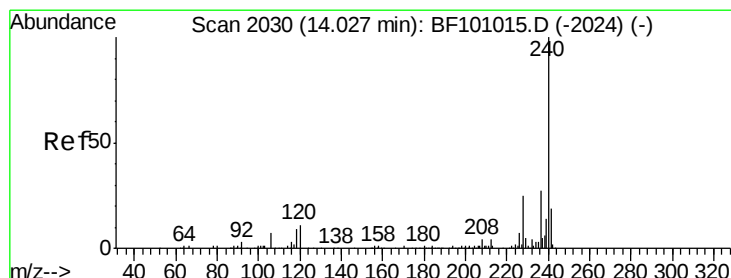
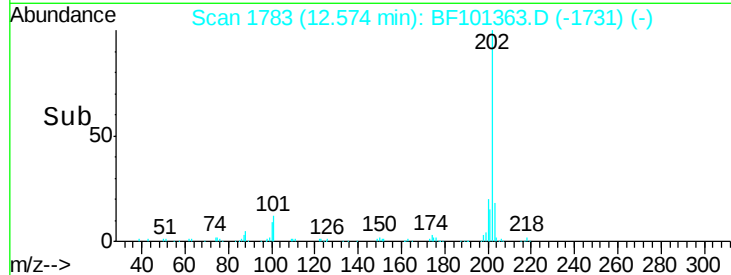
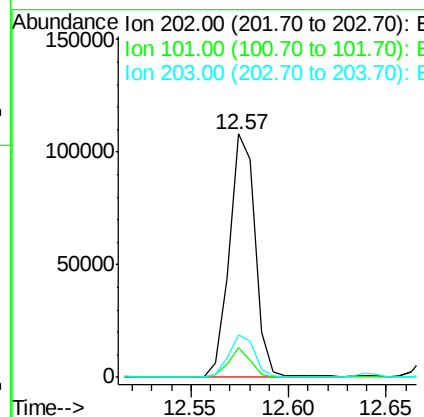
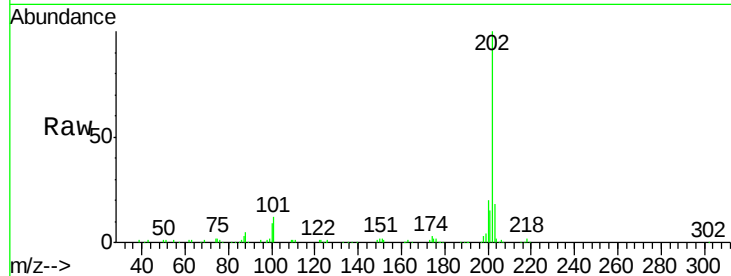
ClientSampled :

MAP-3-E(0-1)

Tot Ion:	202	Resp:	99177
Ion Ratio		Lower	Upper
202	100		
101	12.1	0.0	34.1
203	17.7	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

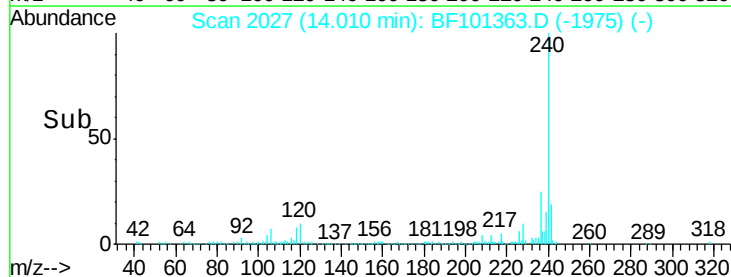
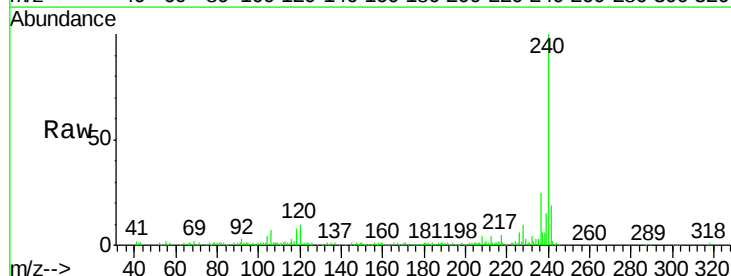
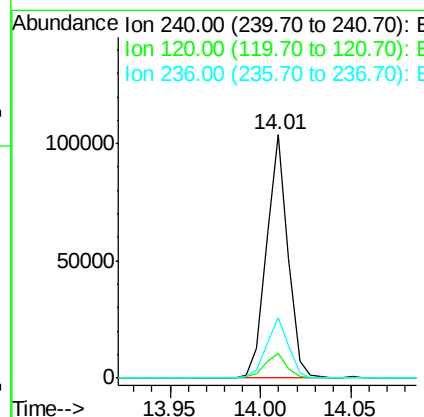
RT: 14.01 min Scan# 2027

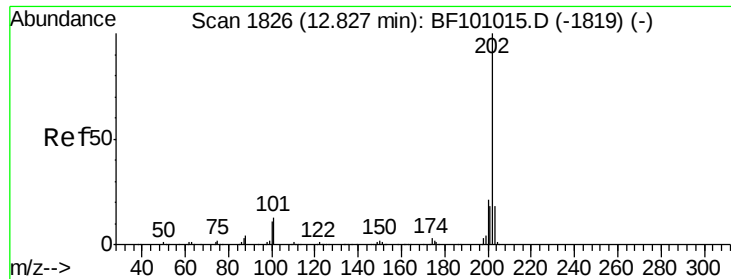
Delta R.T. 0.01 min

Lab File: BF101363.D

Acq: 13 Dec 2017 7:18

Tgt Ion:	240	Resp:	85279
Ion Ratio		Lower	Upper
240	100		
120	10.0	9.5	14.3
236	25.1	20.7	31.1





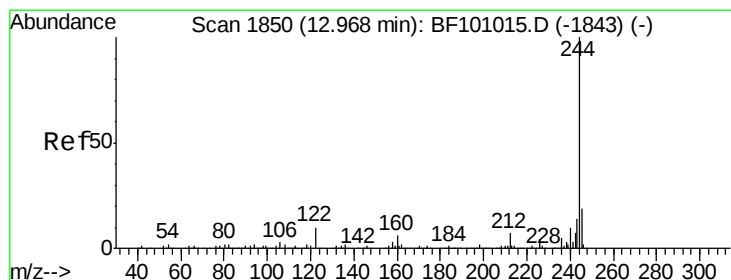
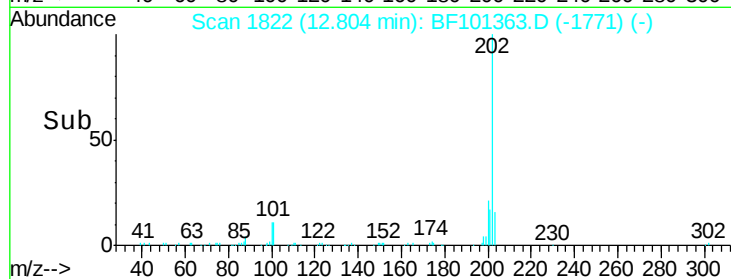
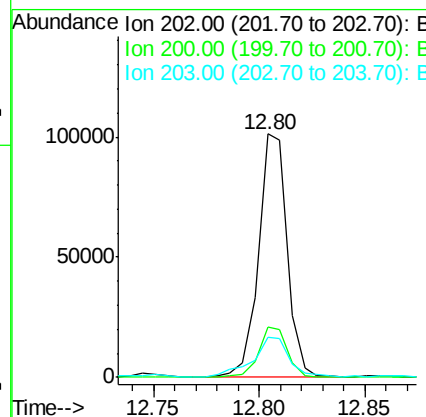
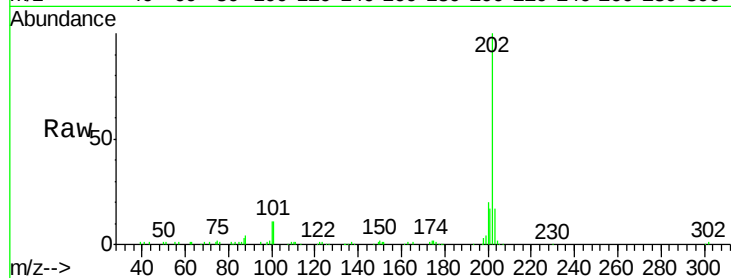
#77
Pvrene
Concen: 16.365 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(0-1)

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.4	26.2
203	16.6	14.3	21.5

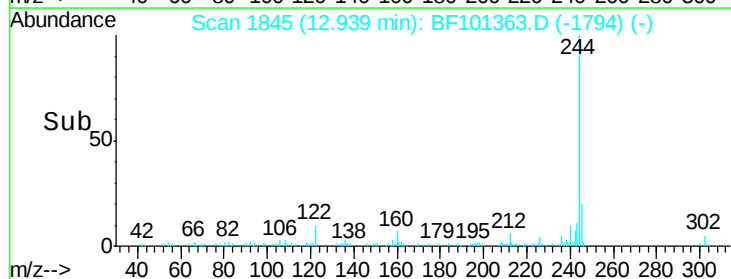
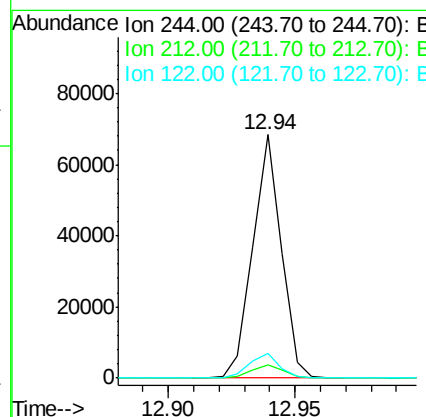
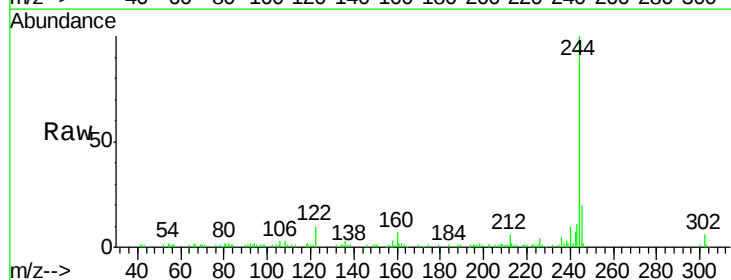
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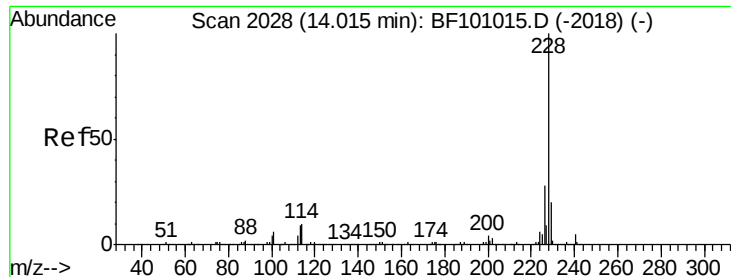
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#78
Terphenyl-d14
Concen: 13.763 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

Tgt Ion	Ratio	Lower	Upper
244	100		
212	5.7	5.4	8.0
122	9.9	11.0	16.4#





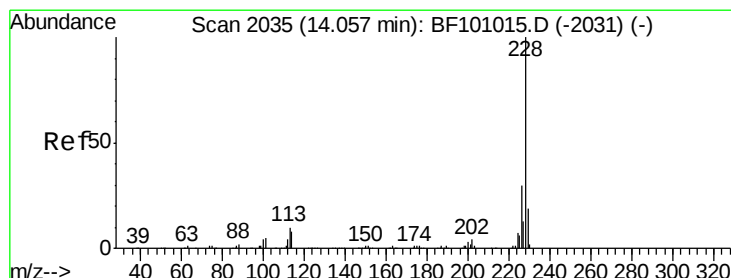
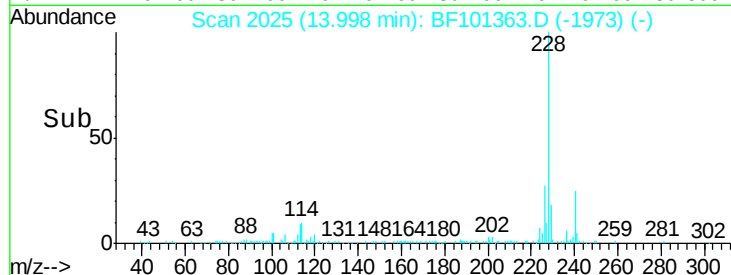
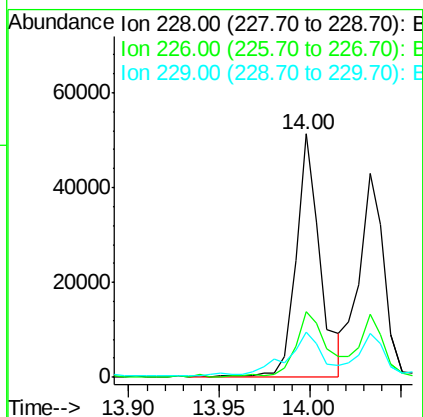
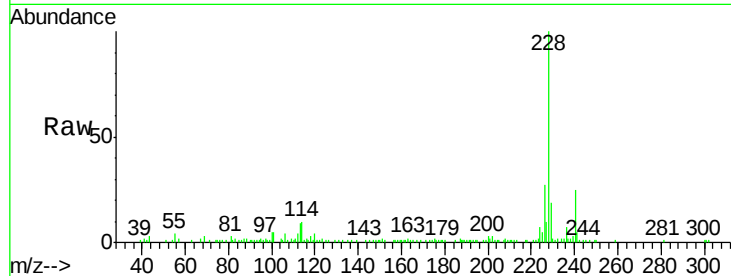
#80
Benzo(a)anthracene
Concen: 8.913 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(0-1)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.6	33.8
229	18.7	15.8	23.6

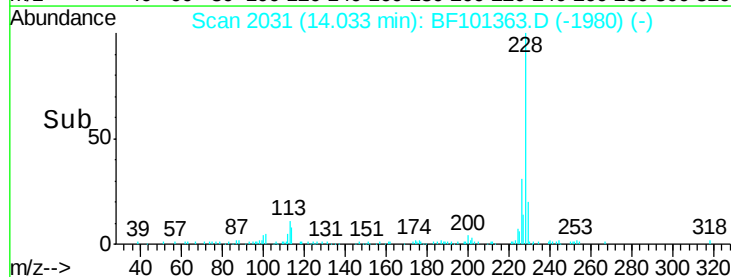
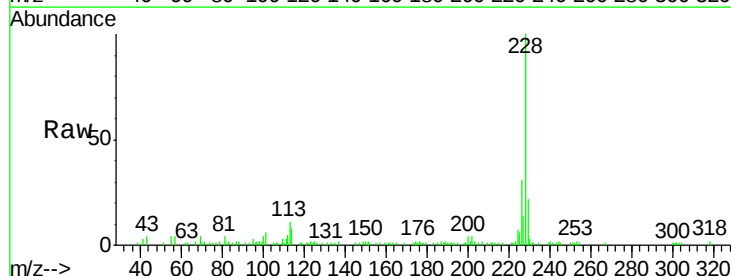
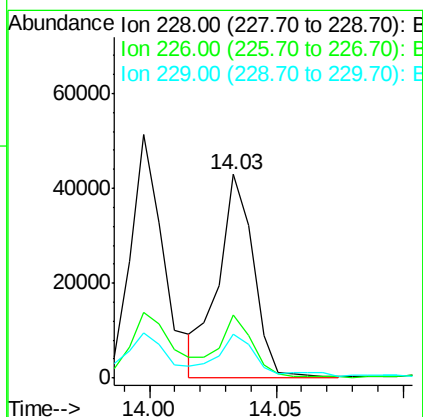
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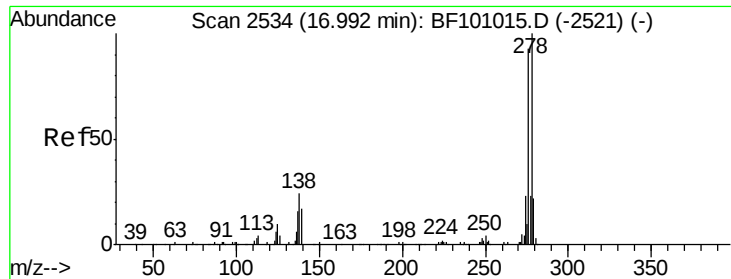
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#82
Chrysene
Concen: 8.273 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	21.7	16.2	24.4





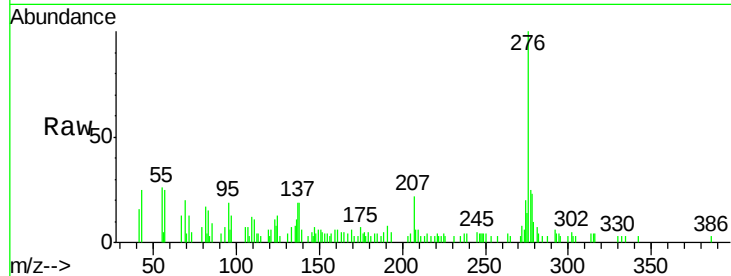
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.517 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.04 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(0-1)

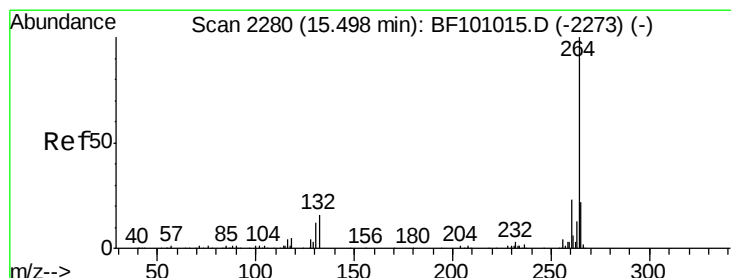
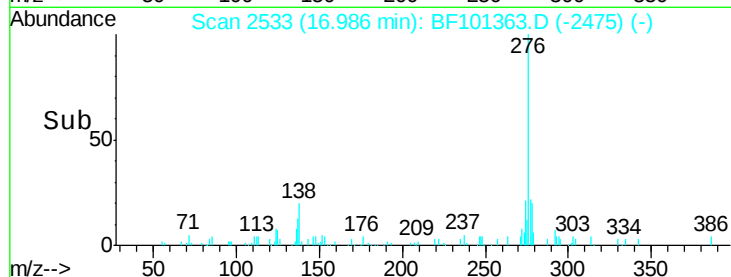
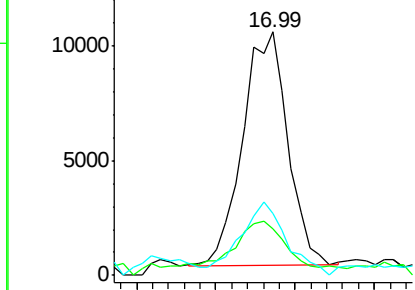
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.5	25.0	37.6
277	31.9	20.1	30.1

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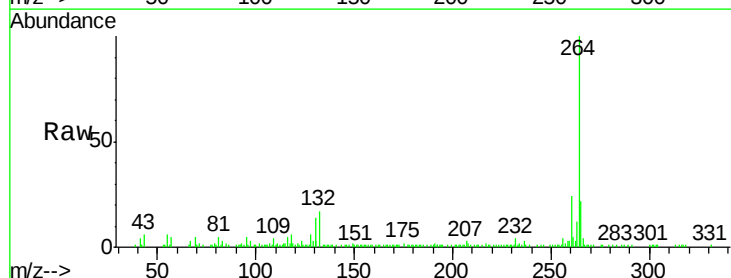


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

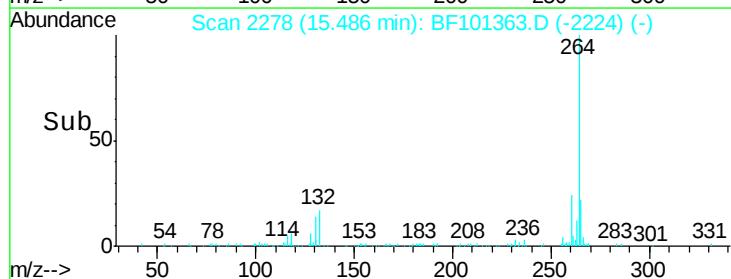
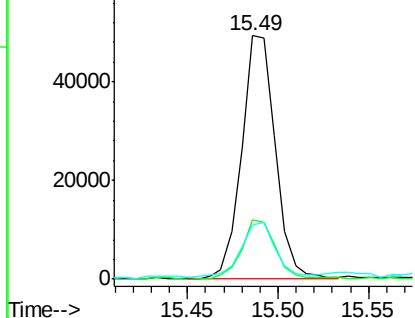


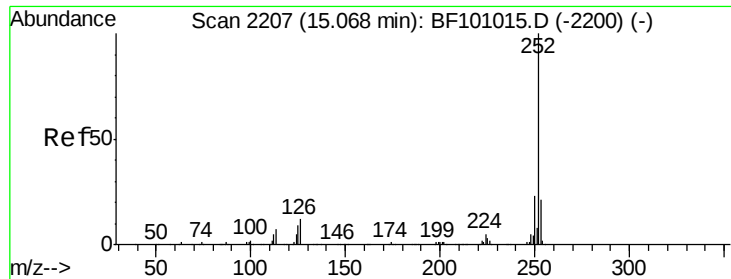
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.1	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





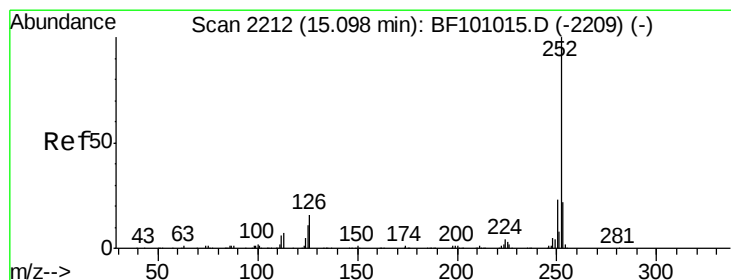
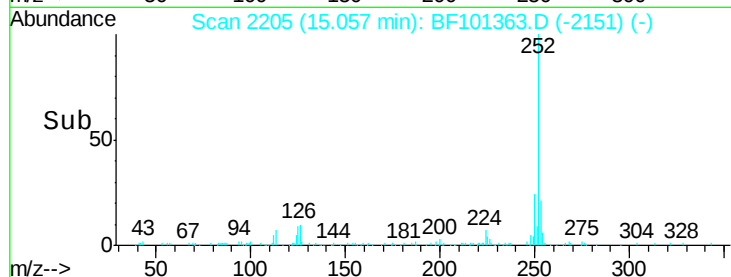
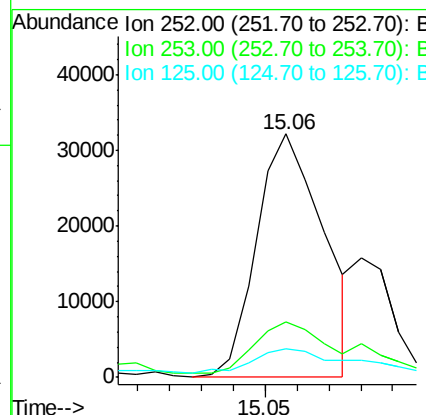
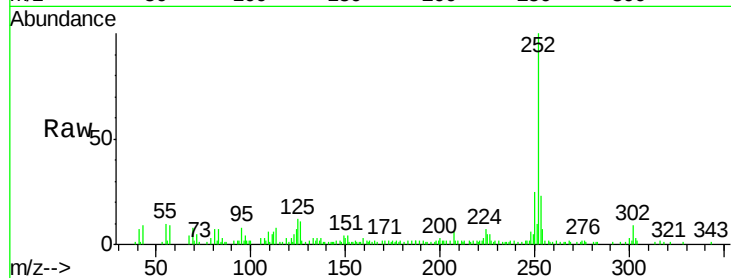
#87
Benzo(b)fluoranthene
Concen: 12.277 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	11.7	9.0	13.6

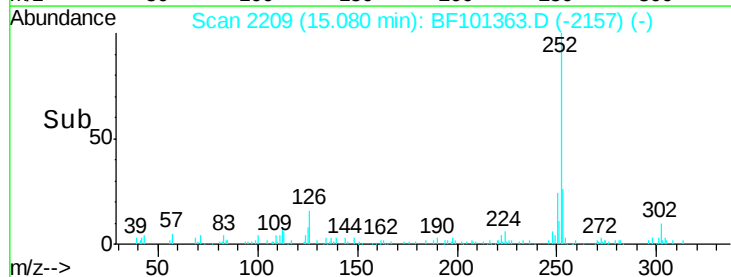
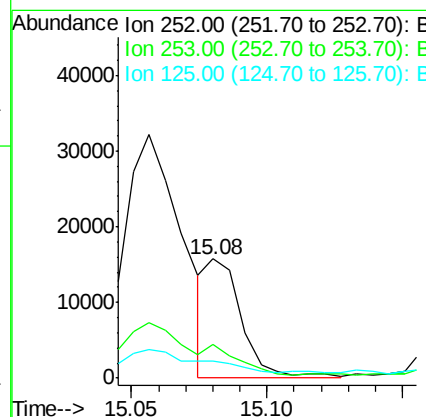
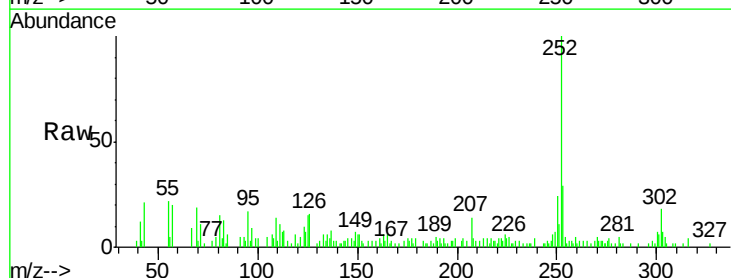
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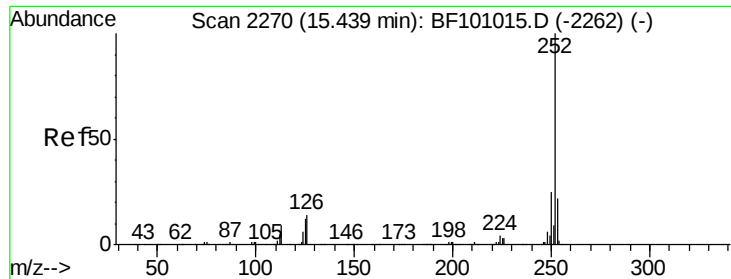
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#88
Benzo(k)fluoranthene
Concen: 3.778 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.01 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.8	17.9	26.9#
125	14.8	10.2	15.2





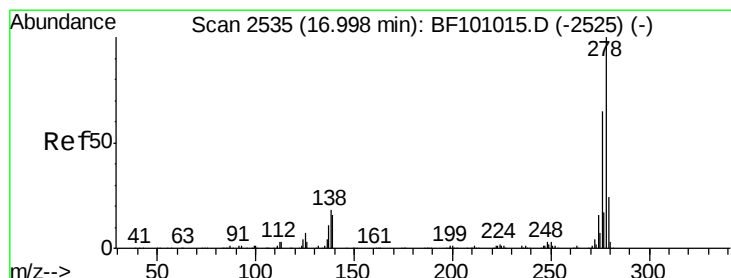
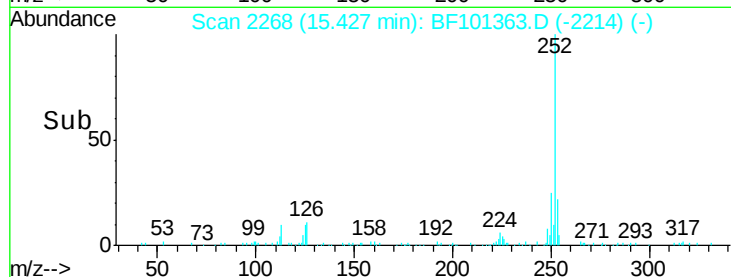
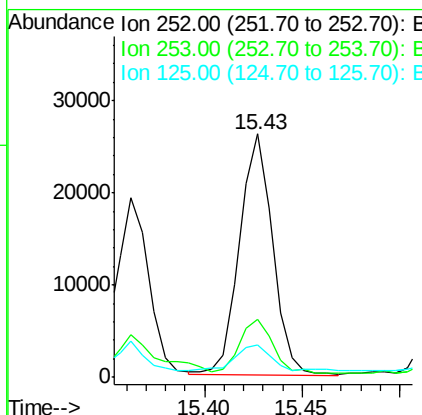
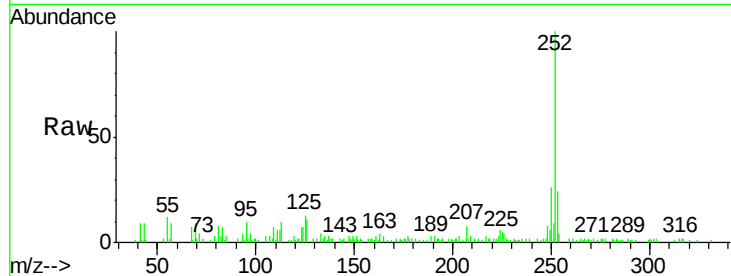
#89
Benzo(a)pyrene
Concen: 8.919 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	13.5	9.8	14.6

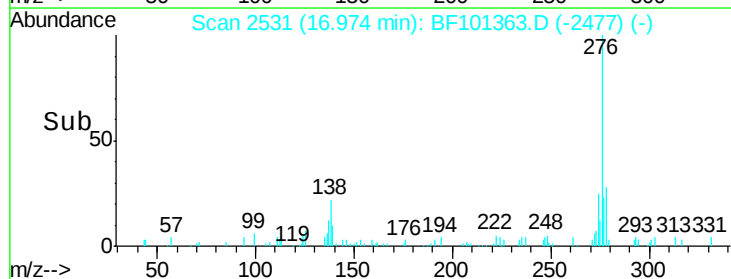
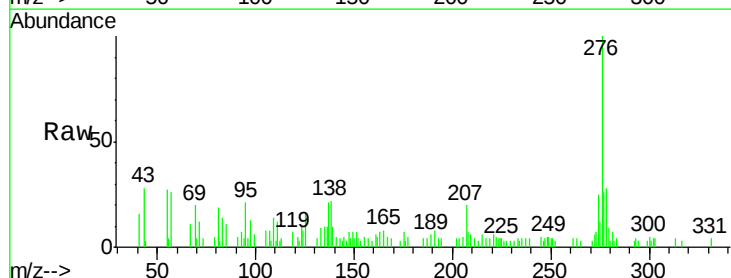
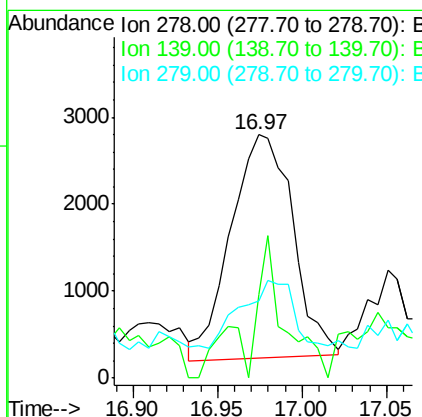
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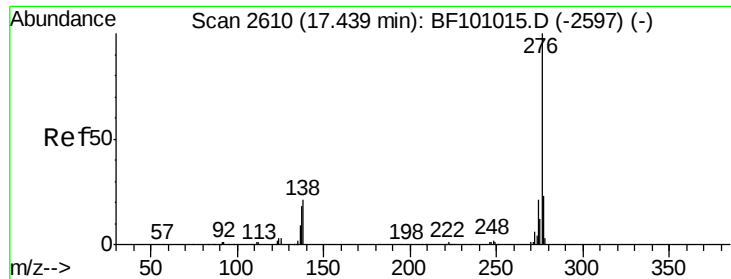
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#90
Dibenzo(a,h)anthracene
Concen: 2.145 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.02 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

Tgt Ion	Ratio	Lower	Upper
278	100		
139	34.3	15.9	23.9#
279	31.7	19.0	28.4#





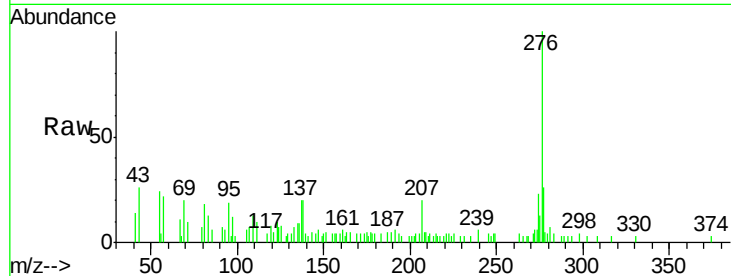
#91
 Benzo(a,h,i)perylene
 Concen: 8.364 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. 0.05 min
 Lab File: BF101363.D
 Acq: 13 Dec 2017 7:18

Instrument :
 BNA_F
 ClientSampleId :
 MAP-3-E(0-1)

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.6	17.9	26.9
138	20.4	21.8	32.8#

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

